

# Converting Colors

YIQ(42.3590, 27.8710, 29.0470)

Have a look what the booklet for  
YIQ(42.3590, 27.8710, 29.0470)  
contains.

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# Color

**YIQ(42.3590, 27.8710,  
29.0470)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	57103D
RGB	87, 16, 61
RGB Percent	34%, 6%, 24%
CMY	0.6586, 0.9374, 0.7607
CMYK	0.00, 0.82, 0.30, 0.66
HSL	322°, 69%, 20%
HSV	322°, 82%, 34%
XYZ	4.9628, 2.7355, 4.6840
YIQ	42.3590, 27.8710, 29.0470

# Conversions

## Conversions Part 2

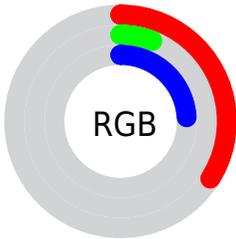
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	87, 16, 61
Decimal	5705789
CIE Lab	18.95, 36.23, -9.82
CIE LCh	19, 37.534, 344.839
Yxy	2.7355, 0.4008, 0.2209
Android (android.graphics.Color)	4283895869 (0xFF57103D)
YUV	42.3590, 9.1900, 39.1502
Hunter-Lab	16.5393, 24.6176, -5.2138

# Details

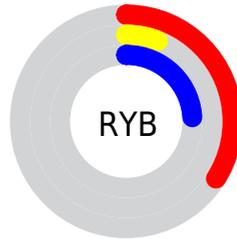
The YIQ color **42.3590, 27.8710, 29.0470** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **60.6410, -27.8710, -29.0470**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **93.5010, 30.3470, 28.2270**, and **14.4250, 18.3370, 14.6010** is the 20% darker color. If you saturate the color by 10%, you get **36.7340, 31.3090, 32.8210**, and if you desaturate by 10%, it is **47.9840, 24.4330, 25.2730**.

# Distribution



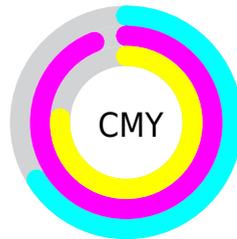
-  Red (34%)
-  Green (6%)
-  Blue (24%)



-  Red (34%)
-  Yellow (6%)
-  Blue (24%)



-  Cyan (0%)
-  Magenta (82%)
-  Yellow (30%)
-  Black (66%)



-  Cyan (66%)
-  Magenta (94%)
-  Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 42.3590, 27.8710, 29.0470 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 42.3590, 27.8710, 29.0470 by changing the saturation by 10% instead.

■ 42.3590, 27.8710,  
29.0470

■ 42.3590, 27.8710,  
29.0470

■ 255.0000, -0.0000,  
-0.0000

■ 22.9840, 24.4330,  
25.2730

■ 93.5010, 30.3470,  
28.2270

■ 14.4250, 18.3370,  
14.6010

■ 119.2130, 31.2180,  
28.9620

■ 0.0000, 0.0000,  
0.0000

■ 145.2240, 32.6850,  
29.9090

■ 172.8220, 33.8770,  
30.3330

■ 200.5340, 34.7480,  
31.0680

■ 220.7600, 19.2520,

25.5560

 238.5640, 7.7000,  
14.6440

 42.3590, 27.8710,  
29.0470

 42.3590, 27.8710,  
29.0470

 36.7340, 31.3090,  
32.8210

 47.9840, 24.4330,  
25.2730

 32.2830, 34.1970,  
35.5490

 53.0220, 21.2700,  
22.0220

 58.7610, 17.5110,  
18.5590

 64.3860, 14.0730,  
14.7850

 70.0110, 10.6350,  
11.0110

■ 75.0490, 7.4720,  
7.7600

■ 80.6740, 4.0340,  
3.9860

■ 86.4130, 0.2750,  
0.5230

■ 91.4510, -2.8880,  
-2.7280

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.3110, 1.4630, 23.0550



42.3590, 27.8710, 29.0470



39.3140, 40.9390, 23.4910

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42.3590, 27.8710, 29.0470



42.5170, 13.9410, -15.8750



43.0350, -42.6390, -3.6870

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



42.3590, 27.8710, 29.0470



60.6410, -27.8710, -29.0470

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



40.7720, -34.8890, -11.9850



42.3590, 27.8710, 29.0470



34.6880, -8.8900, -26.1220

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.3590, 27.8710, 29.0470



44.1110, 30.1240, -6.2920



36.9930, -25.6260, -20.1700



42.3970, -46.3540, 3.0700

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.3590, 27.8710, 29.0470



41.0610, 42.7290, 13.0730



36.9930, -25.6260, -20.1700



42.8240, -40.6670, -6.3870

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



42.3590, 27.8710, 29.0470



95.0110, 10.6350, 11.0110



31.5690, -7.8910, 27.3810



45.9240, 6.3260, 6.5020



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.3590, 27.8710, 29.0470



42.8700, 43.0900, 45.0900



38.4830, 38.7850, 18.4730



40.5380, 1.4210, 1.7810



39.7450, 41.9440, 43.8320



87.2510, 92.2310, 96.1590



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42.3590, 27.8710, 29.0470



42.8700, 43.0900, 45.0900



64.5170, -38.7850, -18.4730



40.5380, 1.4210, 1.7810



39.7450, 41.9440, 43.8320

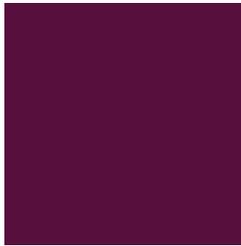


87.2510, 92.2310, 96.1590



# Previews

## White Background



This preview shows how the YIQ color 42.3590, 27.8710, 29.0470 looks on a white background.

## Color Contrast Check

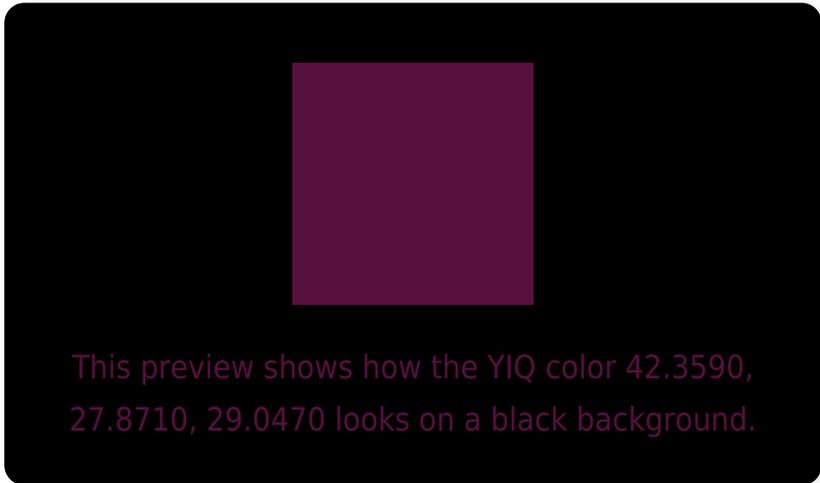
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

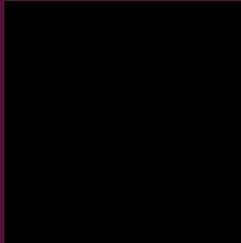
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 42.3590, 27.8710, 29.0470**

## **Background**



This preview shows how black text looks on a background with the YIQ color 42.3590, 27.8710, 29.0470.



This preview shows how white text looks on a background with the YIQ color 42.3590, 27.8710,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

42.3590, 27.8710, 29.0470

### Protanopia

46.6190, -20.4960, 8.0160

### Deuteranopia

48.4390, -2.6140, 3.3220



## Tritanopia

45.1570, 33.6510, 12.3950

# Trichromacy



## Original Color

42.3590, 27.8710, 29.0470

## Protanomaly

45.2300, -2.9830, 15.5210

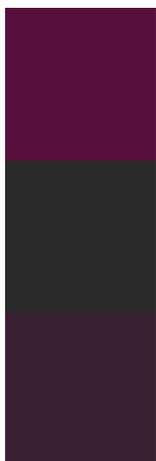
## Deuteranomaly

46.2820, 8.4340, 12.3540

## Tritanomaly

44.4760, 31.4950, 18.4310

# Monochromacy



## Original Color

42.3590, 27.8710, 29.0470

## Achromatopsia

42.0000, -0.0000, -0.0000

## Achromatomaly

42.2990, 9.7640, 10.2760

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 42.3590, 27.8710, 29.0470 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(87, 16, 61)` looks like.

```
.text, #text, p{  
    color:rgb(87, 16, 61)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(87, 16, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 16, 61) }
```

## Border

The CSS property to change the border of an element to YIQ 42.3590, 27.8710, 29.0470 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(87, 16, 61) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(87, 16, 61) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(87, 16, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 16, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 16, 61);  
box-shadow:4px 4px 4px 4px rgb(87, 16, 61)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 42.3590, 27.8710, 29.0470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 16, 61) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(87, 16,  
61) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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